

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135900.D
 Acq On : 19 Oct 2023 22:23
 Operator : CG\JU
 Sample : 04693-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-3(0-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/20/2023
 Supervised By :mohammad ahmed 10/20/2023

Quant Time: Oct 20 02:06:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	75160	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	240956	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	109858	20.000	ng	-0.02
64) Phenanthrene-d10	11.269	188	150873	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	111491	20.000	ng	-0.02
86) Perylene-d12	15.410	264	90937	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	415101	88.794	ng	0.00
7) Phenol-d6	6.392	99	585824	100.434	ng	0.00
23) Nitrobenzene-d5	7.304	82	290512	66.311	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	104507	99.136	ng	-0.02
45) 2-Fluorobiphenyl	9.092	172	570550	81.201	ng	-0.01
79) Terphenyl-d14	12.863	244	381852	63.427	ng	-0.02
Target Compounds						
						Qvalue
31) Naphthalene	8.034	128	47111	4.008	ng	99
37) 2-Methylnaphthalene	8.728	142	35150	4.539	ng	98
38) 1-Methylnaphthalene	8.828	142	34633	4.849	ng	94
49) Acenaphthylene	9.633	152	42196	4.204	ng	97
58) Fluorene	10.322	166	34265	4.822	ng	95
71) Phenanthrene	11.292	178	225012	31.133	ng	100
72) Anthracene	11.345	178	41952	5.602	ng	99
75) Fluoranthene	12.492	202	217817	27.154	ng	98
78) Pyrene	12.721	202	285928	32.273	ng	99
81) Benzo(a)anthracene	13.927	228	120473	16.451	ng	96
83) Chrysene	13.963	228	115802	16.326	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	34665	6.996	ng	94
88) Benzo(b)fluoranthene	14.986	252	93061m	18.285	ng	
89) Benzo(k)fluoranthene	15.010	252	23508m	4.758	ng	
90) Benzo(a)pyrene	15.351	252	70476	14.726	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	9869	2.430	ng	# 72
92) Benzo(g,h,i)perylene	17.374	276	34211	8.199	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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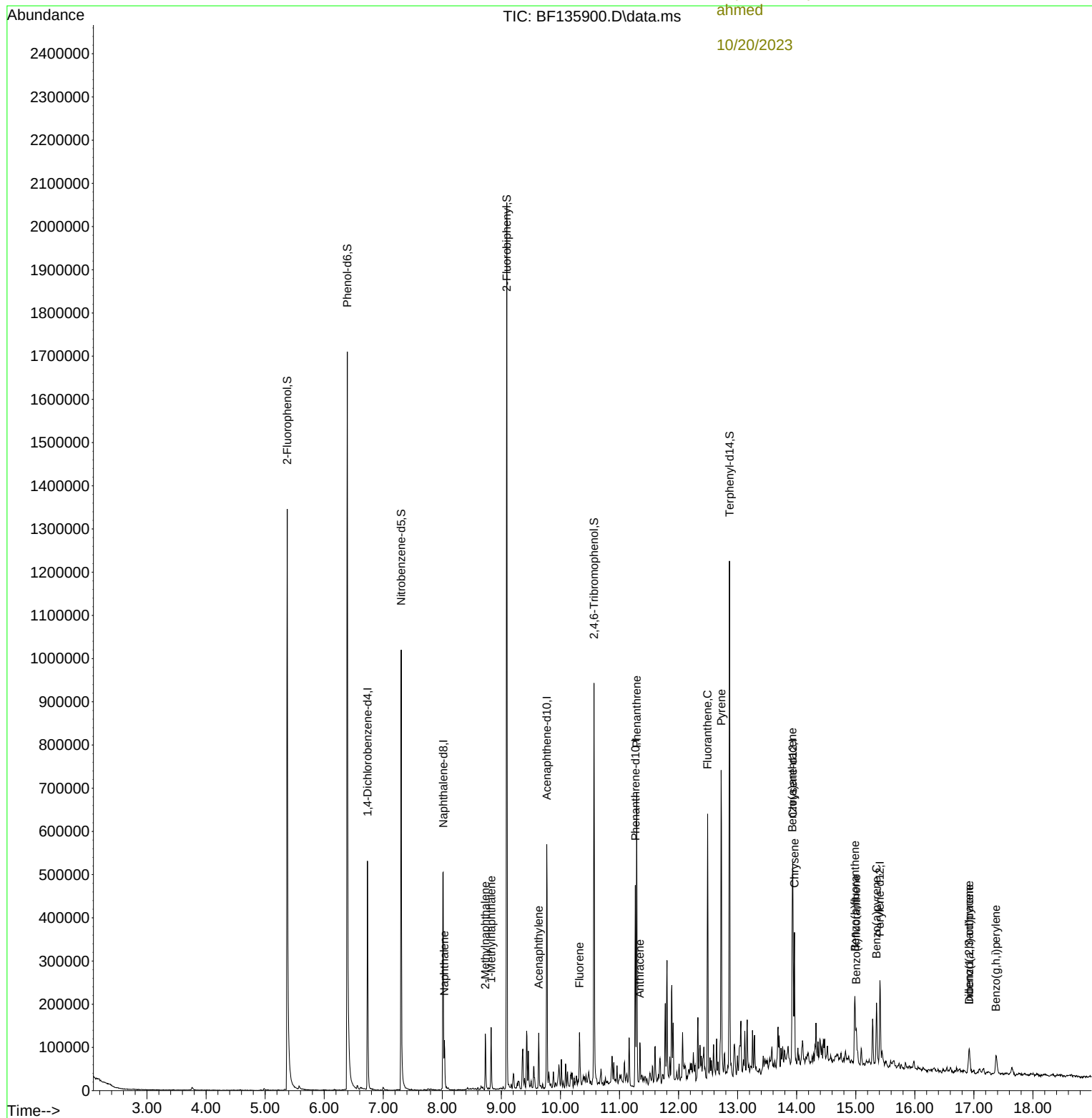
Quant Time: Oct 20 02:06:17 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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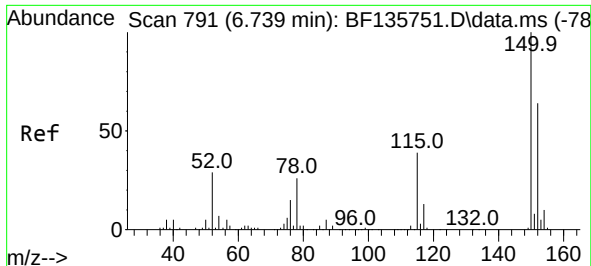
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Supervised By :mohammad ahmed 10/20/2023

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ahmed

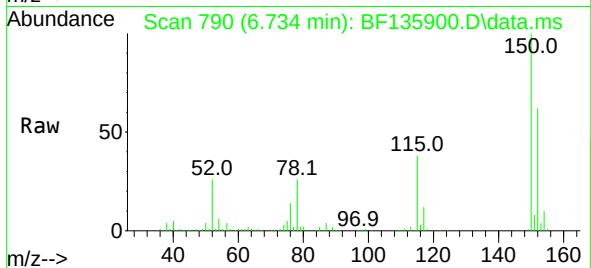
10/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)



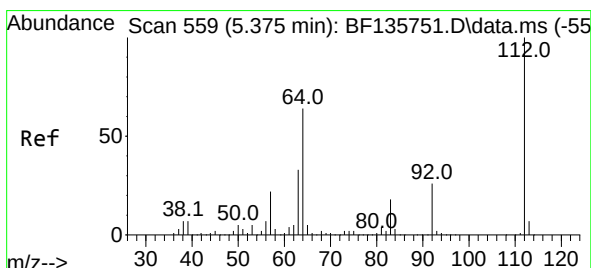
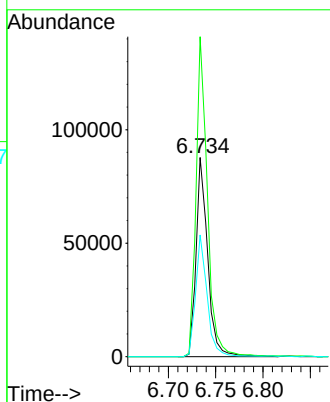
Tgt Ion:152 Resp: 75160
Ion Ratio Lower Upper
152 100
150 160.7 124.5 186.7
115 61.2 49.0 73.4

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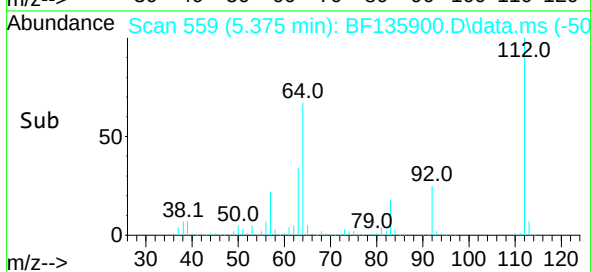
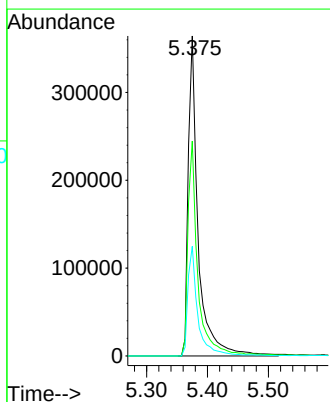
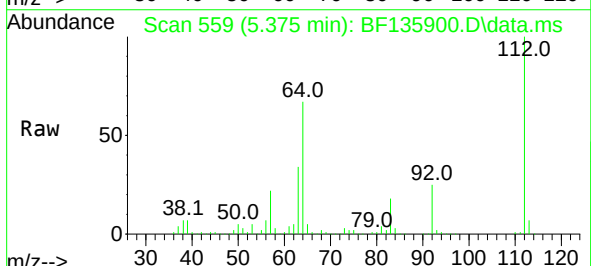
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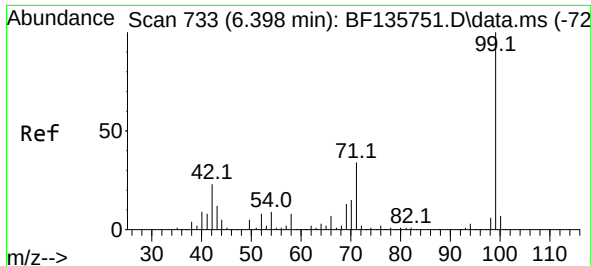
10/20/2023



#5
2-Fluorophenol
Concen: 88.794 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

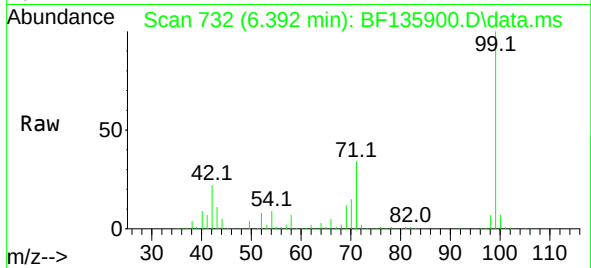
Tgt Ion:112 Resp: 415101
Ion Ratio Lower Upper
112 100
64 67.2 51.2 76.8
63 34.3 26.1 39.1





#7
Phenol-d6
Concen: 100.434 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)



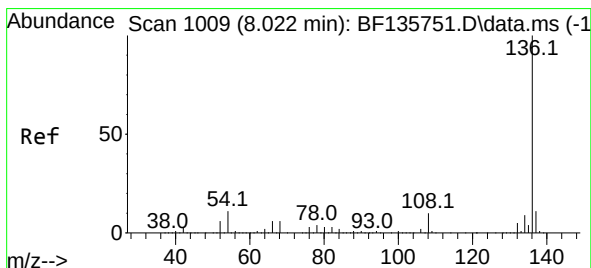
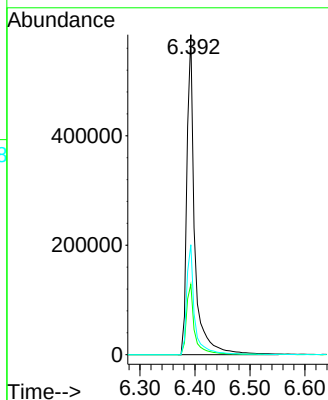
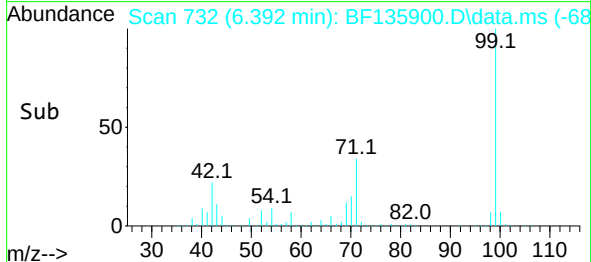
Tgt Ion: 99 Resp: 585824
Ion Ratio Lower Upper
99 100
42 21.9 18.4 27.6
71 34.3 27.2 40.8

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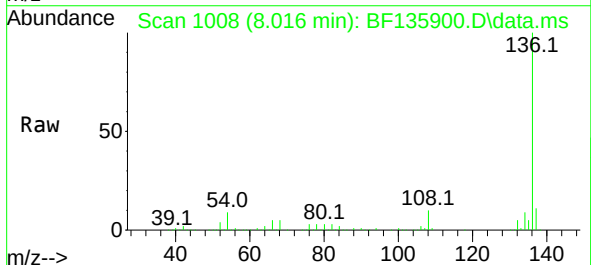
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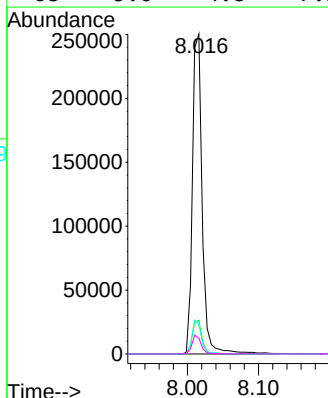
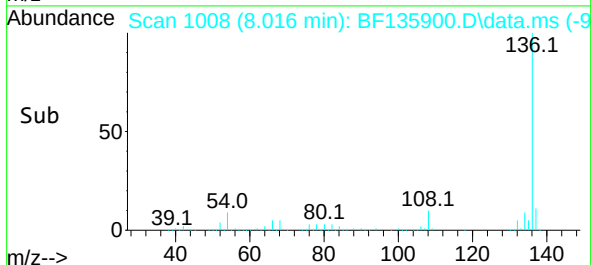
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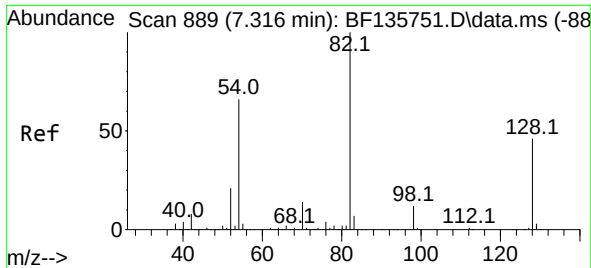


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23



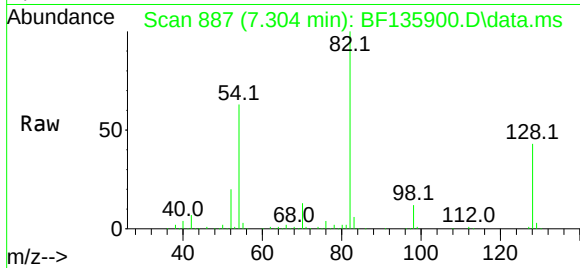
Tgt Ion:136 Resp: 240956
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 9.1 8.5 12.7
68 5.0 4.8 7.2





#23
Nitrobenzene-d5
Concen: 66.311 ng
RT: 7.304 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)



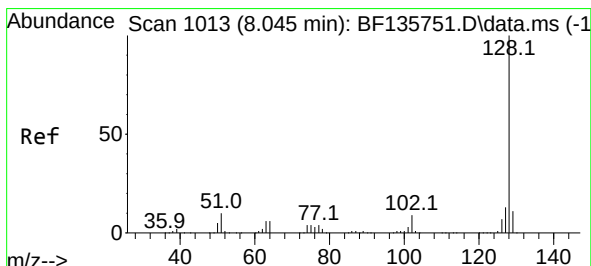
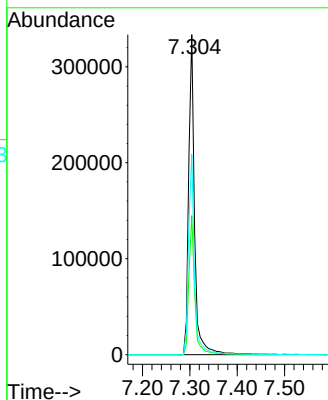
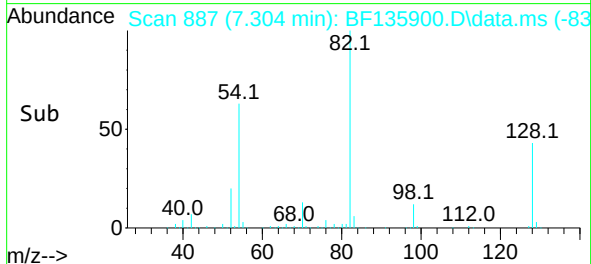
Tgt Ion: 82 Resp: 290512
Ion Ratio Lower Upper
82 100
128 43.4 37.0 55.6
54 62.6 52.8 79.2

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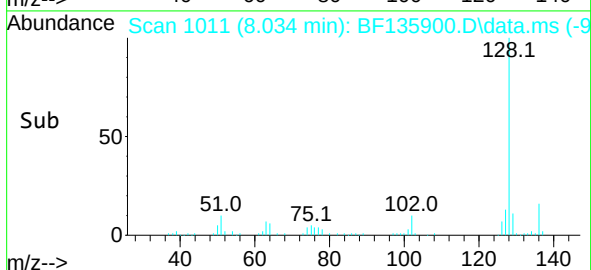
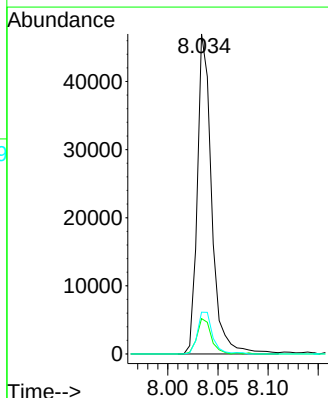
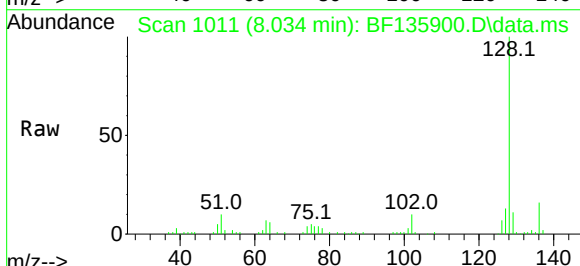
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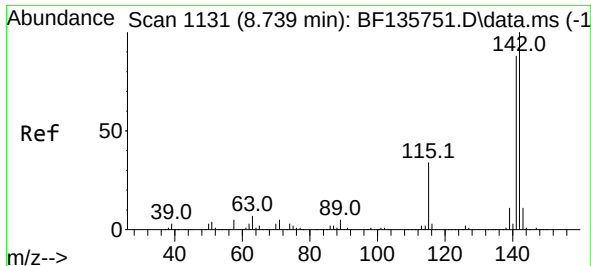
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#31
Naphthalene
Concen: 4.008 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Tgt Ion:128 Resp: 47111
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.0 10.2 15.4





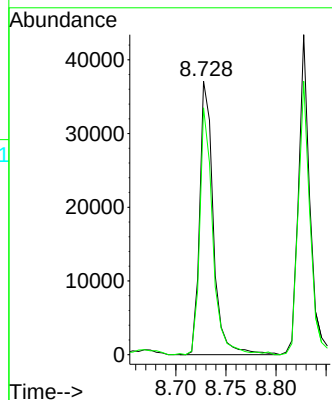
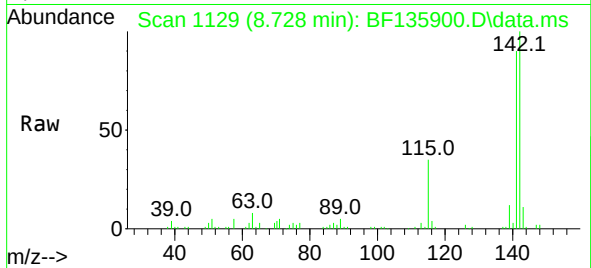
#37
2-Methylnaphthalene
Concen: 4.539 ng
RT: 8.728 min Scan# 1129
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

Tgt Ion:142 Resp: 35150
Ion Ratio Lower Upper
142 100
141 90.2 70.6 105.8

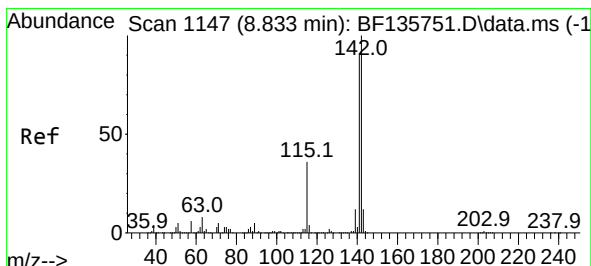
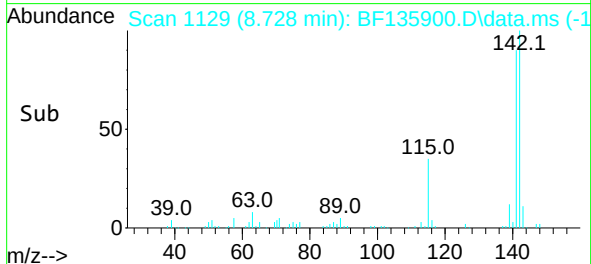
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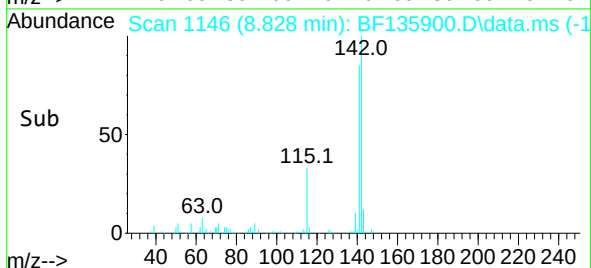
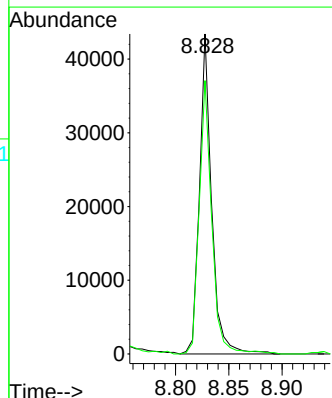
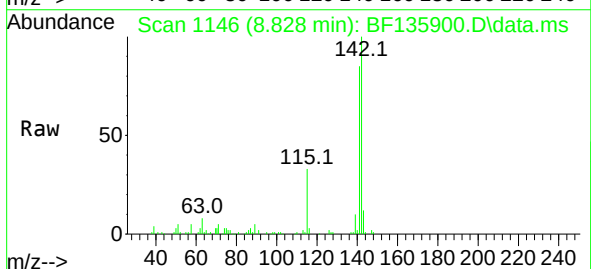
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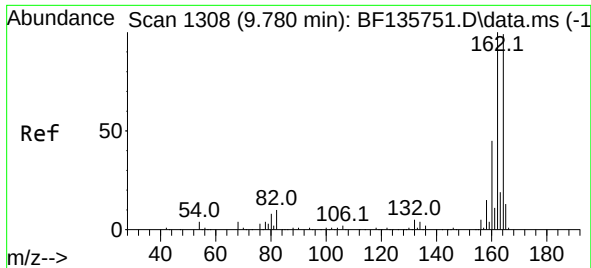
10/20/2023



#38
1-Methylnaphthalene
Concen: 4.849 ng
RT: 8.828 min Scan# 1146
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

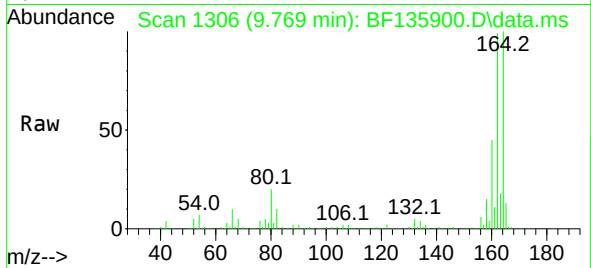
Tgt Ion:142 Resp: 34633
Ion Ratio Lower Upper
142 100
141 85.4 72.7 109.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.018 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)



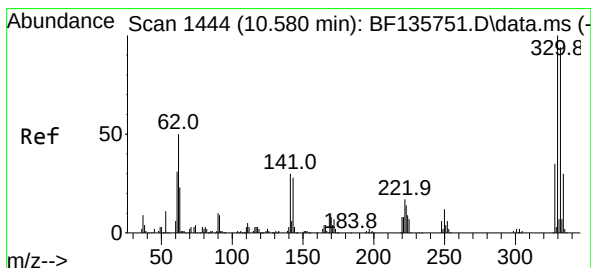
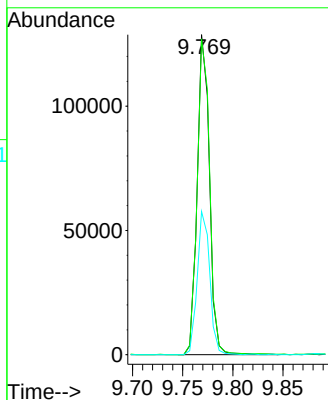
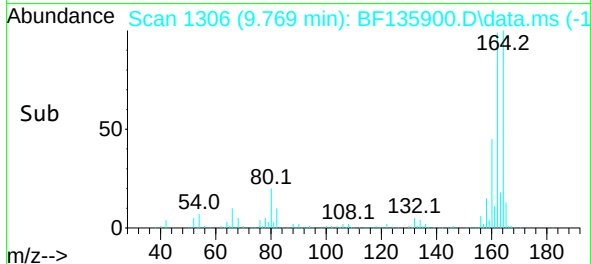
Tgt Ion:164 Resp: 109858
Ion Ratio Lower Upper
164 100
162 98.7 80.8 121.2
160 44.7 36.6 54.8

Manual Integrations
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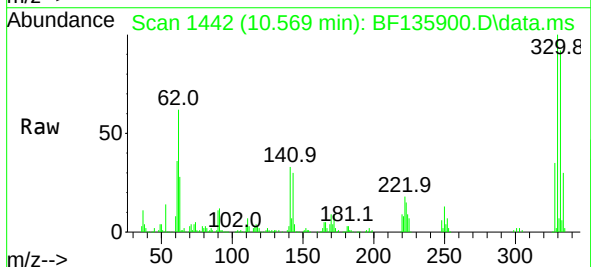
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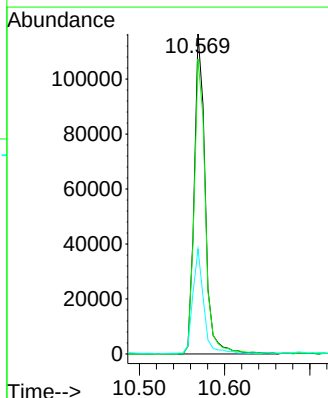
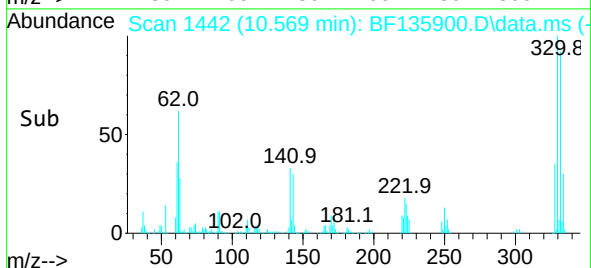
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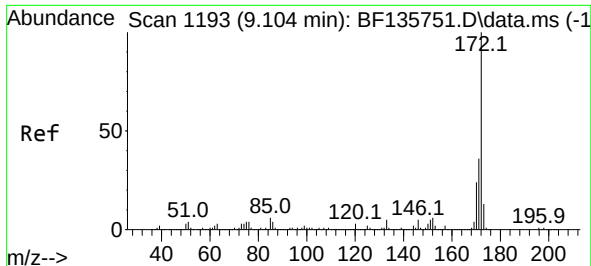


#42
2,4,6-Tribromophenol
Concen: 99.136 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.018 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23



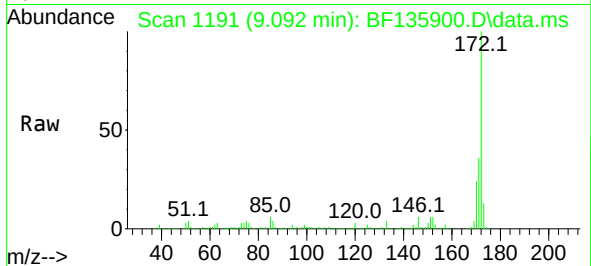
Tgt Ion:330 Resp: 104507
Ion Ratio Lower Upper
330 100
332 94.9 75.0 112.4
141 33.3 25.8 38.6





#45
2-Fluorobiphenyl
Concen: 81.201 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Instrument :
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ClientSampleId :
S-3(0-5)



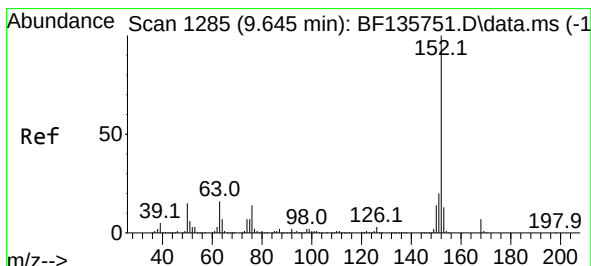
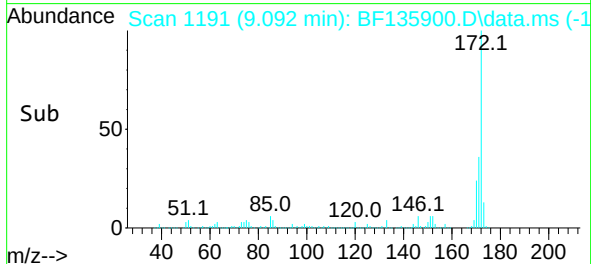
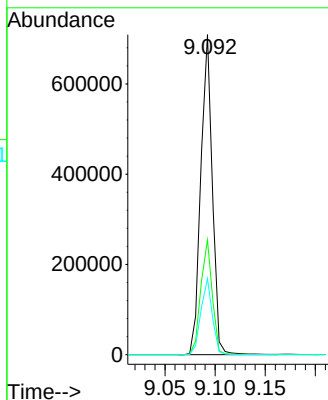
Tgt Ion:172 Resp: 570550
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 23.7 18.8 28.2

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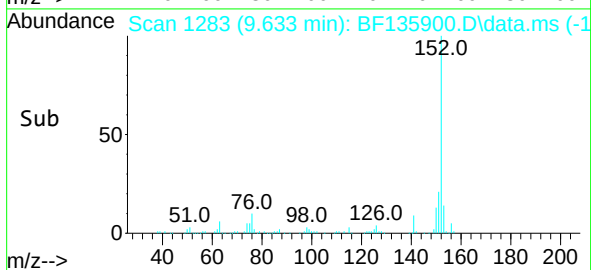
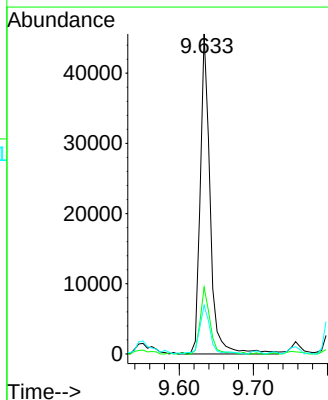
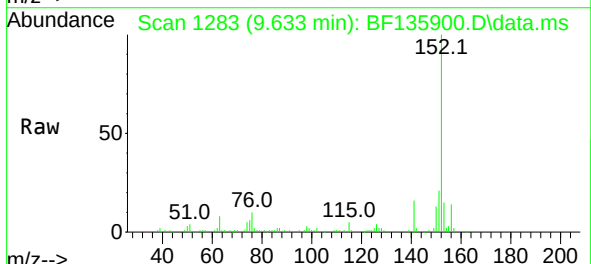
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ahmed

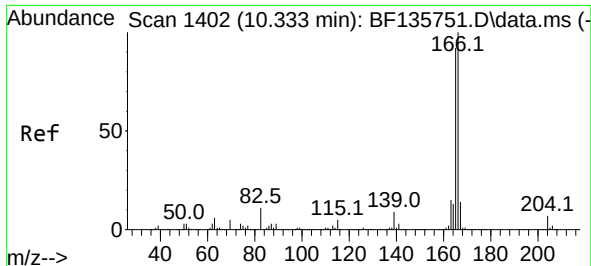
10/20/2023



#49
Acenaphthylene
Concen: 4.204 ng
RT: 9.633 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

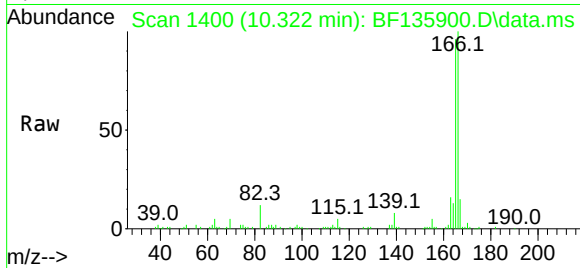
Tgt Ion:152 Resp: 42196
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.2
153 15.2 10.2 15.4





#58
Fluorene
Concen: 4.822 ng
RT: 10.322 min Scan# 1402
Delta R.T. -0.018 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)



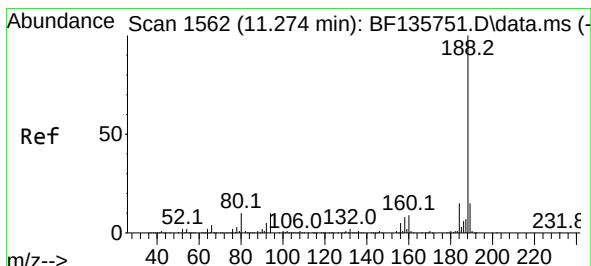
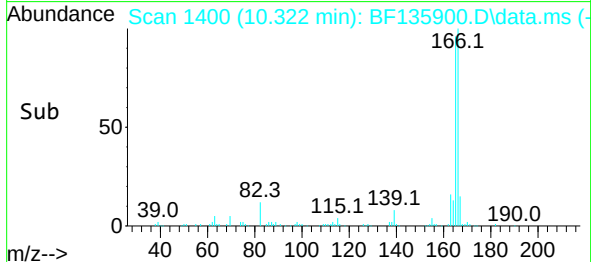
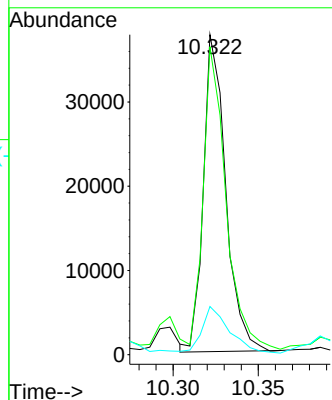
Tgt Ion:166 Resp: 3426
Ion Ratio Lower Upper
166 100
165 96.2 73.4 110.0
167 15.0 11.0 16.6

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Supervised By :mohammad ahmed 10/20/2023

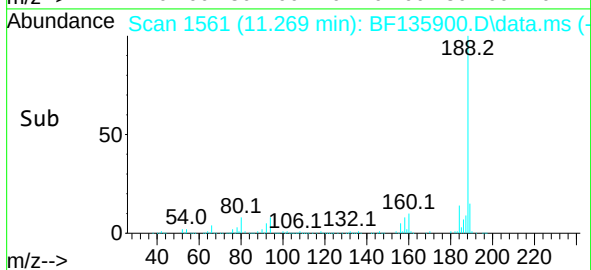
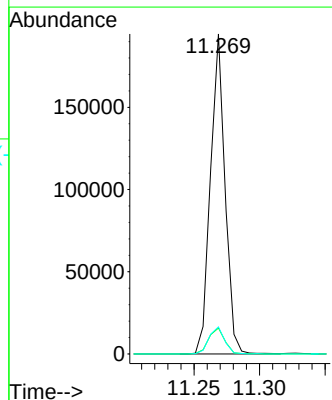
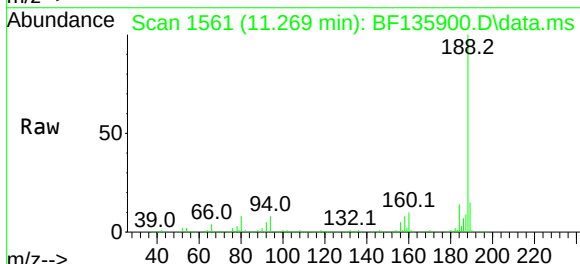
10/20/2023
Supervised By :mohammad
ahmed

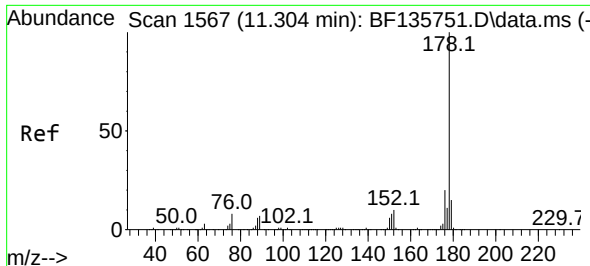
10/20/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

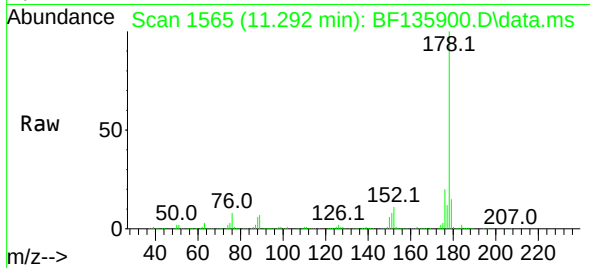
Tgt Ion:188 Resp: 150873
Ion Ratio Lower Upper
188 100
94 8.1 8.0 12.0
80 8.5 8.3 12.5





#71
Phenanthrene
Concen: 31.133 ng
RT: 11.292 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)



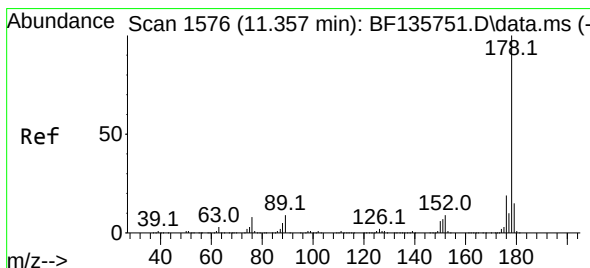
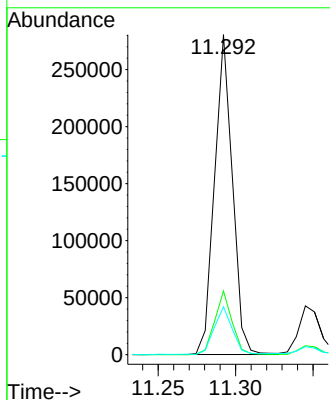
Tgt Ion:178 Resp: 22501
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 15.0 12.2 18.4

Manual Integrations
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Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

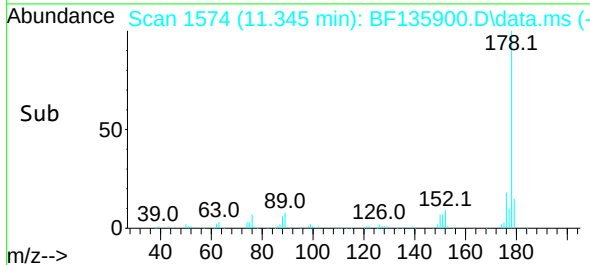
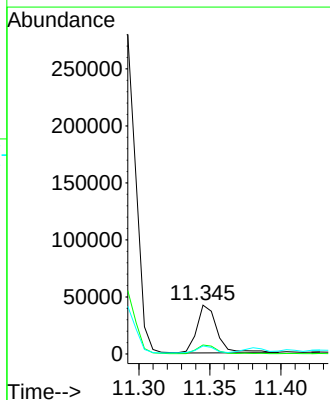
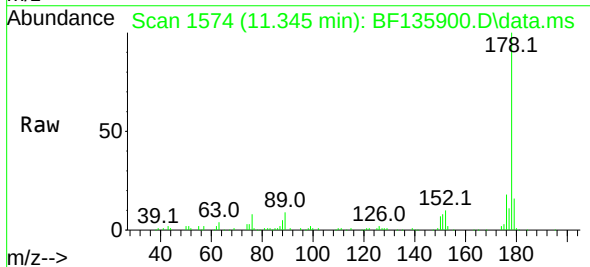
10/20/2023
Supervised By :mohammad
ahmed

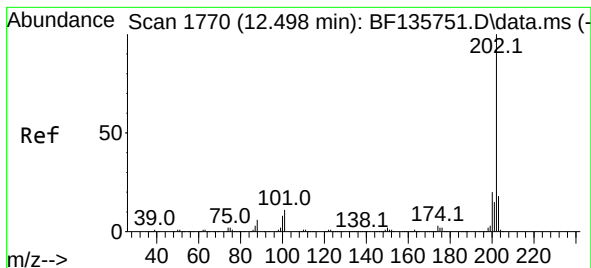
10/20/2023



#72
Anthracene
Concen: 5.602 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Tgt Ion:178 Resp: 41952
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 16.2 12.3 18.5





#75

Fluoranthene

Concen: 27.154 ng

RT: 12.492 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)

Tgt Ion:202 Resp: 21781

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.5
203	17.9	0.0	38.3

Manual Integrations

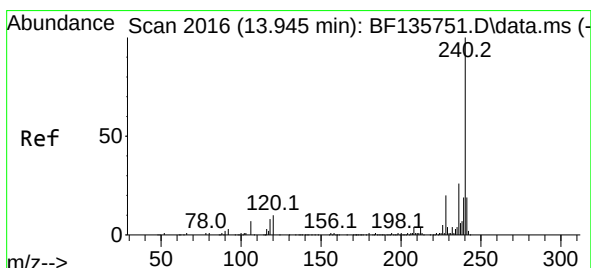
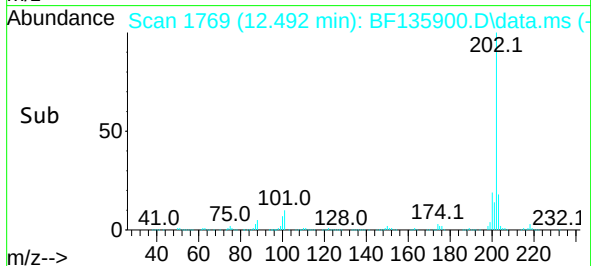
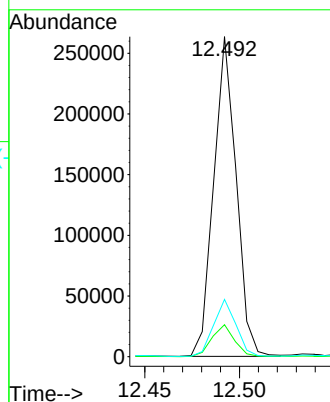
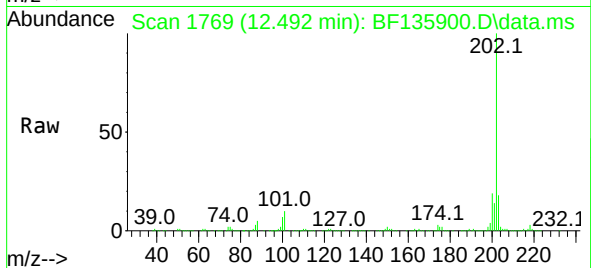
APPROVED

Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

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ahmed

10/20/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2014

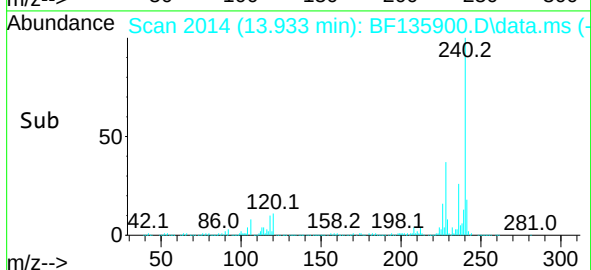
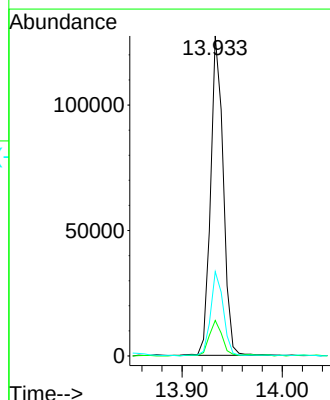
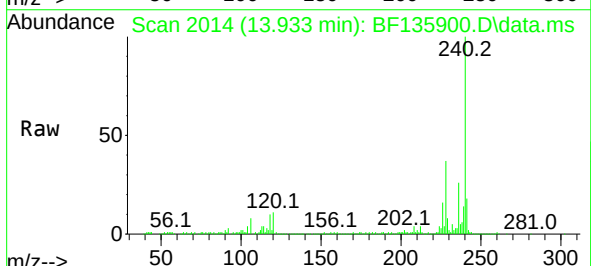
Delta R.T. -0.018 min

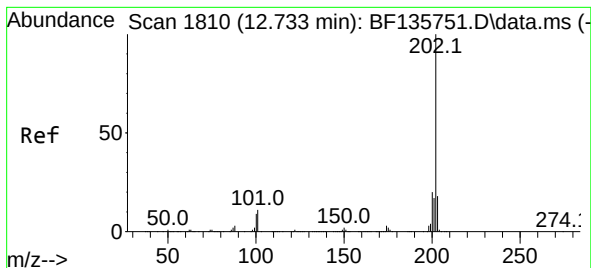
Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

Tgt Ion:240 Resp: 111491

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.2	12.2
236	26.3	21.2	31.8





#78

Pyrene

Concen: 32.273 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.012 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)

Tgt Ion:	202	Resp:	285928
Ion Ratio	Lower	Upper	
202	100		
200	19.9	16.1	24.1
203	17.3	14.2	21.2

Manual Integrations

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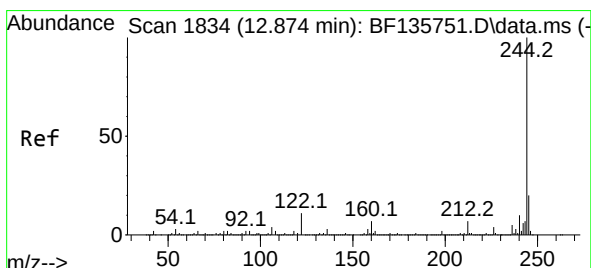
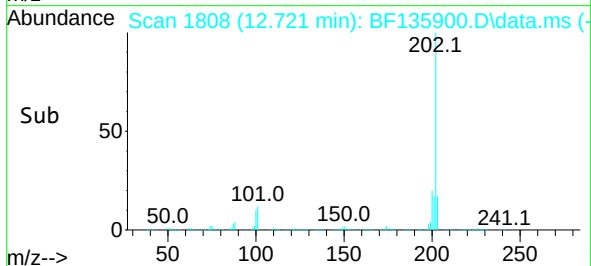
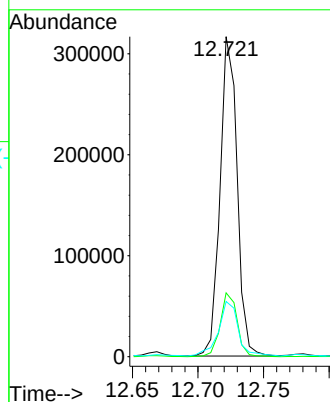
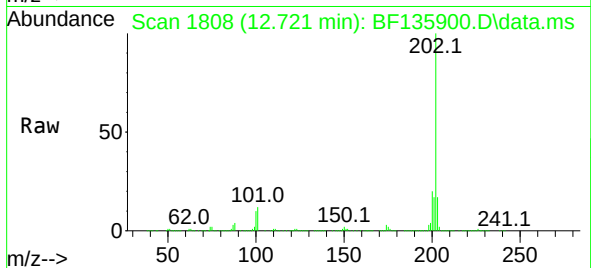
Reviewed By :Yogesh Patel 10/20/2023

Supervised By :mohammad ahmed 10/20/2023

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Supervised By :mohammad
ahmed

10/20/2023



#79

Terphenyl-d14

Concen: 63.427 ng

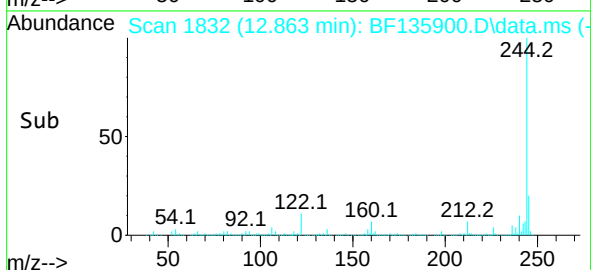
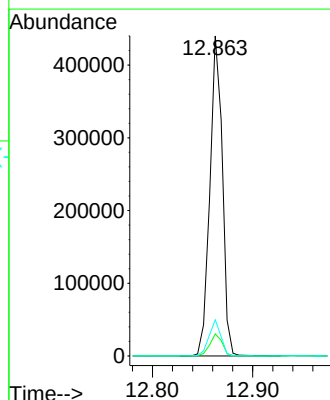
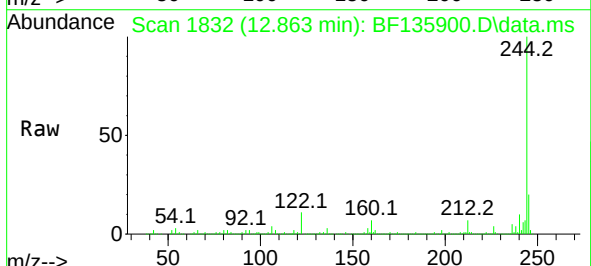
RT: 12.863 min Scan# 1832

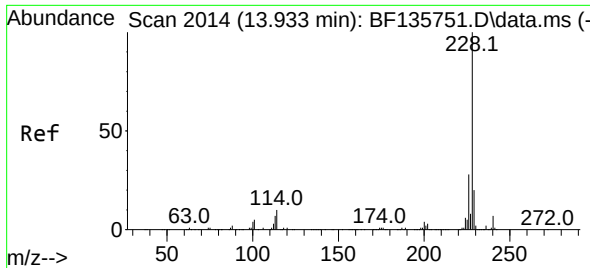
Delta R.T. -0.018 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

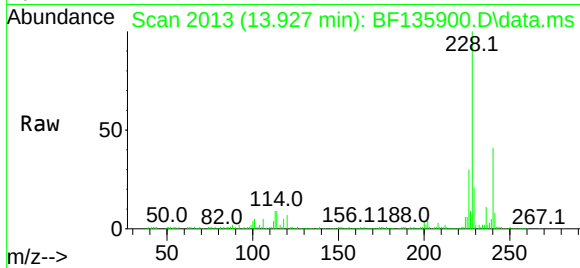
Tgt Ion:	244	Resp:	381852
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.6	8.4
122	11.3	9.0	13.6





#81
Benzo(a)anthracene
Concen: 16.451 ng
RT: 13.927 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)



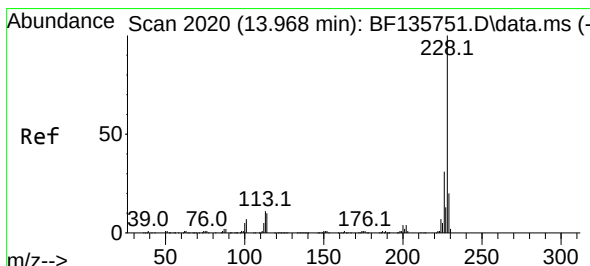
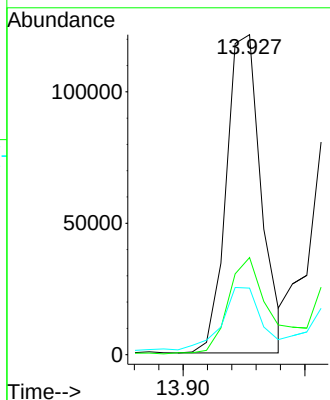
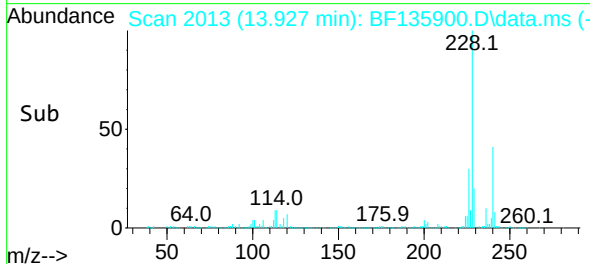
Tgt Ion:228 Resp: 12047
Ion Ratio Lower Upper
228 100
226 30.3 22.2 33.2
229 20.8 16.1 24.1

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Supervised By :mohammad ahmed 10/20/2023

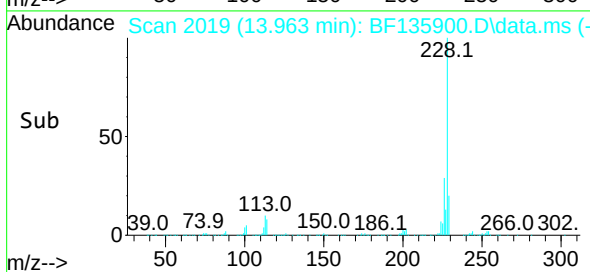
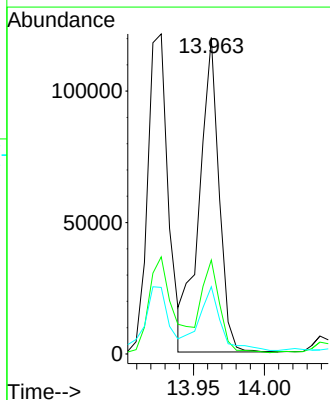
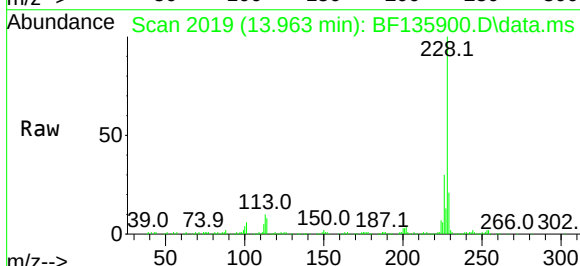
10/20/2023
Supervised By :mohammad
ahmed

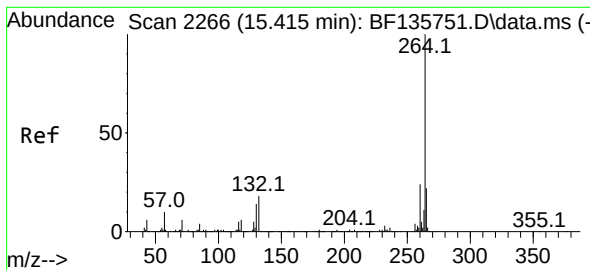
10/20/2023



#83
Chrysene
Concen: 16.326 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Tgt Ion:228 Resp: 115802
Ion Ratio Lower Upper
228 100
226 29.7 24.4 36.6
229 21.3 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)

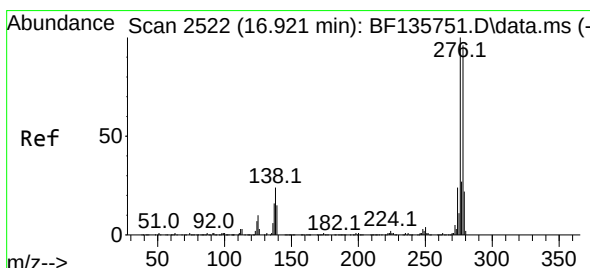
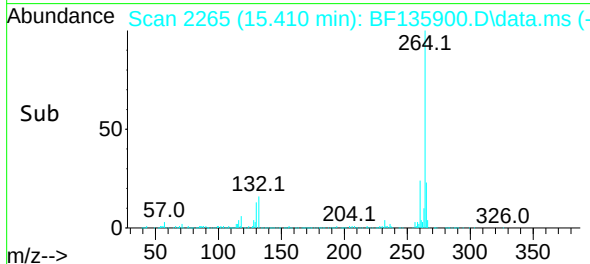
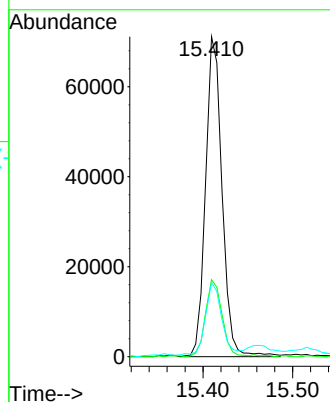
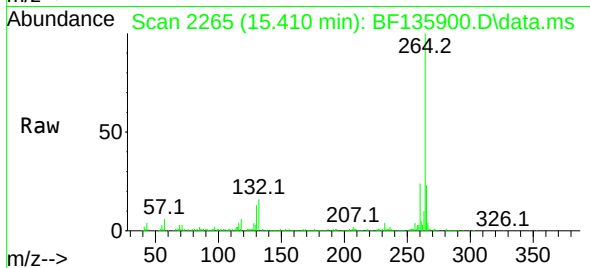
Tgt Ion:264 Resp: 9093
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 23.3 17.4 26.2

Manual Integrations
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Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

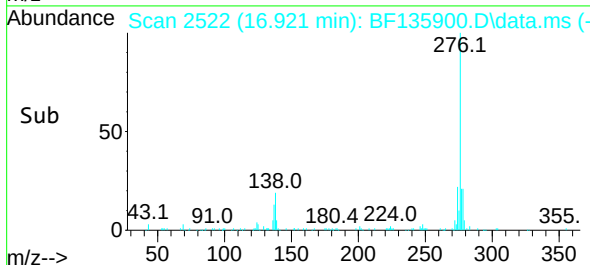
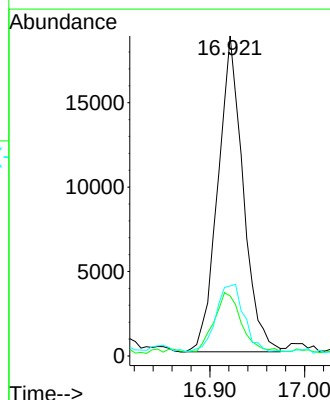
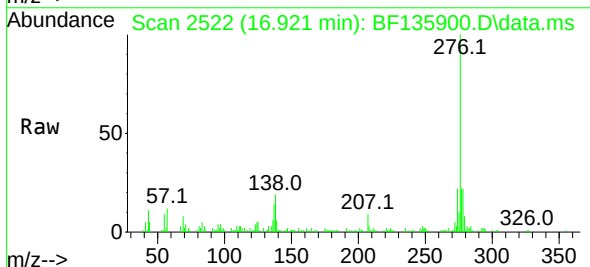
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ahmed

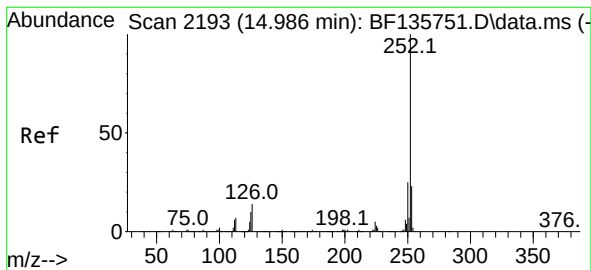
10/20/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.996 ng
RT: 16.921 min Scan# 2522
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Tgt Ion:276 Resp: 34665
Ion Ratio Lower Upper
276 100
138 20.8 19.8 29.6
277 23.6 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 18.285 ng m

RT: 14.986 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)

Tgt Ion:	252	Resp:	9306
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.2	27.2
125	10.8	8.2	12.2

Manual Integrations

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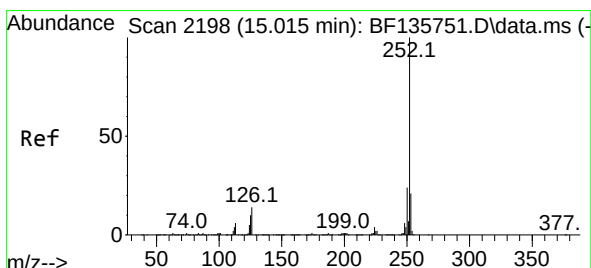
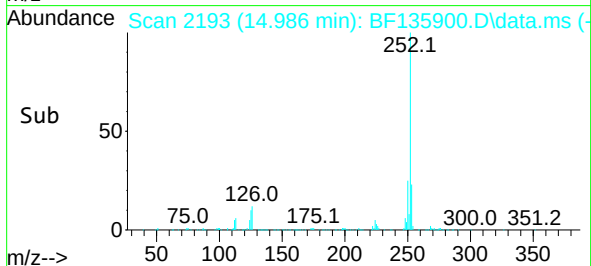
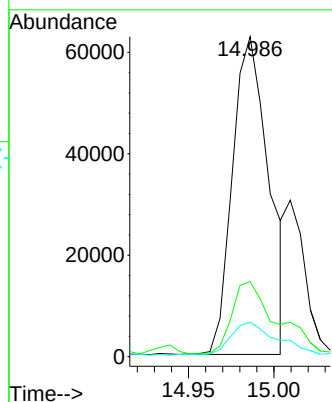
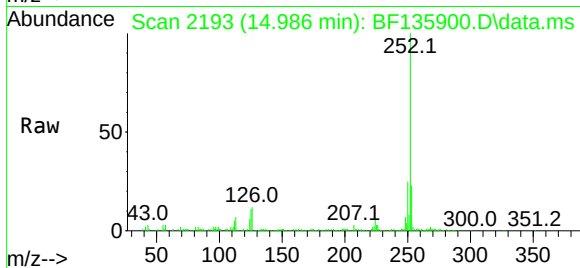
Reviewed By :Yogesh Patel 10/20/2023

Supervised By :mohammad ahmed 10/20/2023

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Supervised By :mohammad
ahmed

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#89

Benzo(k)fluoranthene

Concen: 4.758 ng m

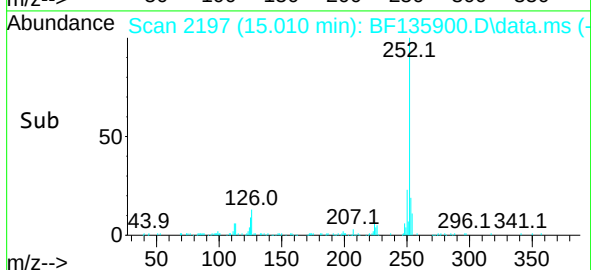
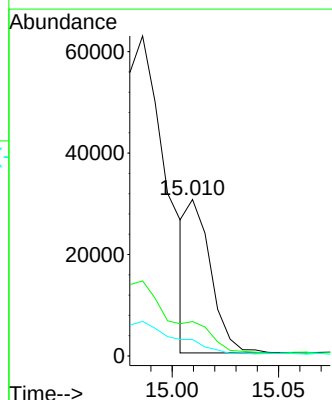
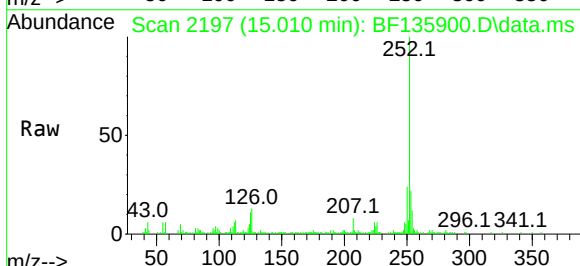
RT: 15.010 min Scan# 2197

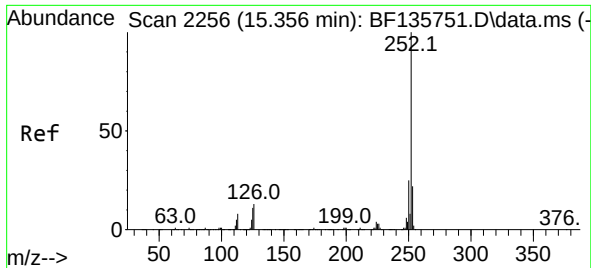
Delta R.T. -0.012 min

Lab File: BF135900.D

Acq: 19 Oct 2023 22:23

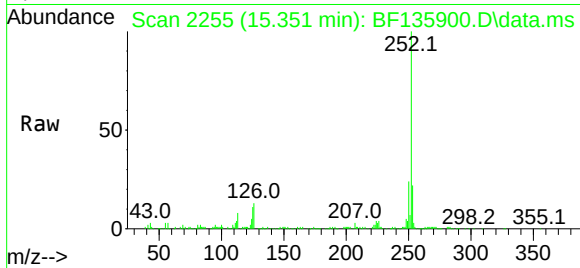
Tgt Ion:	252	Resp:	23508
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.4	26.0
125	10.5	8.3	12.5





#90
Benzo(a)pyrene
Concen: 14.726 ng
RT: 15.351 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Instrument :
BNA_F
ClientSampleId :
S-3(0-5)



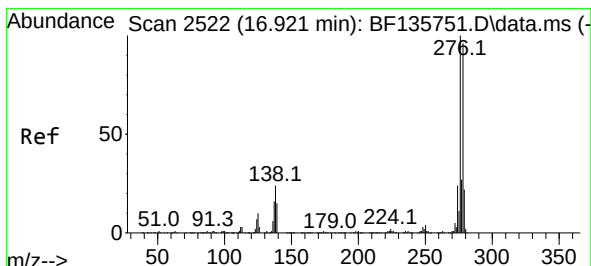
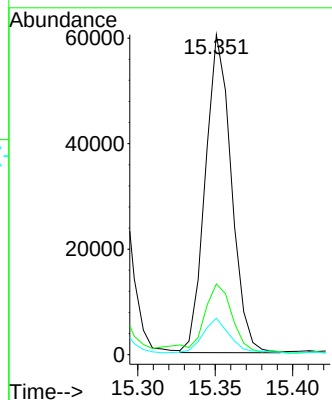
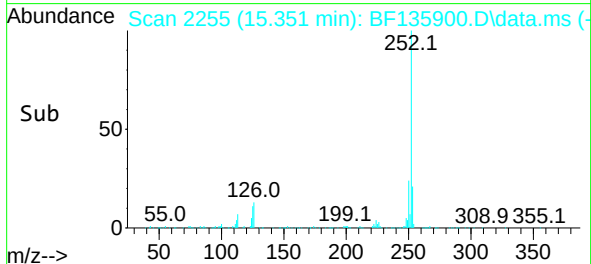
Tgt Ion:252 Resp: 70470
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 11.4 8.8 13.2

Manual Integrations
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Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

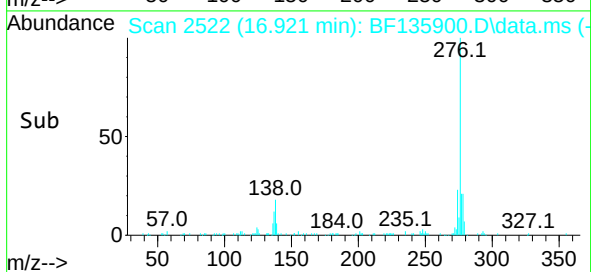
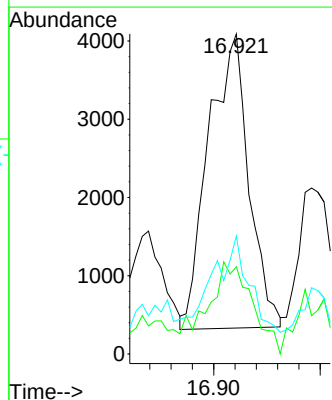
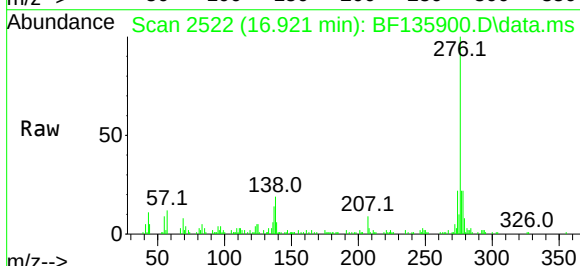
10/20/2023
Supervised By :mohammad
ahmed

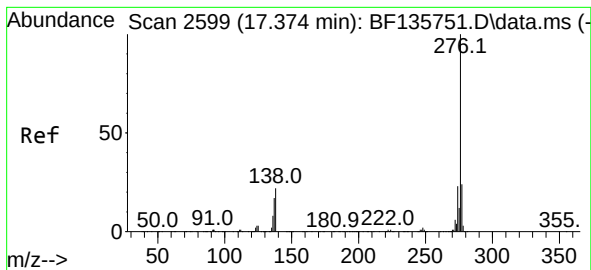
10/20/2023



#91
Dibenzo(a,h)anthracene
Concen: 2.430 ng
RT: 16.921 min Scan# 2522
Delta R.T. -0.018 min
Lab File: BF135900.D
Acq: 19 Oct 2023 22:23

Tgt Ion:278 Resp: 9869
Ion Ratio Lower Upper
278 100
139 27.2 12.5 18.7#
279 36.9 18.6 27.8#





#92

Benzo(g,h,i)perylene

Concen: 8.199 ng

RT: 17.374 min Scan# 2

Delta R.T. -0.012 min

Lab File: BF135900.D

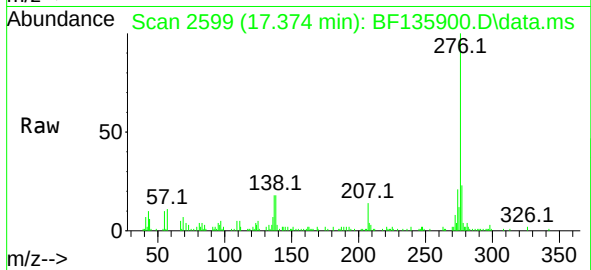
Acq: 19 Oct 2023 22:23

Instrument :

BNA_F

ClientSampleId :

S-3(0-5)



Tgt Ion:276 Resp: 3421

Ion Ratio Lower Upper

276 100

277 23.2 19.4 29.2

138 18.4 17.3 25.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/20/2023

Supervised By :mohammad ahmed 10/20/2023

10/20/2023

Supervised By :mohammad
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10/20/2023

